

# 9th Class 2021

Biology	Group-II	Paper-I
Time: 15 Minutes	(Objective Type)	Marks: 12

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

**1-1-** To what category of molecules do enzymes belong?

- (a) Carbohydrates
- (b) Lipids
- (c) Proteins ✓
- (d) Nucleic acid

**2-** Normal pH of blood is:

- (a) 7.4 ✓
- (b) 6.4
- (c) 8.4
- (d) 11.4

**3-** Fluid-mosaic model explain the structure of:

- (a) Nucleus
- (b) Cell wall
- (c) Cytoplasm
- (d) Cell membrane ✓

**4-** Citrus fruits, green vegetables, beef liver are the source of:

- (a) Vitamin A
- (b) Vitamin B
- (c) Vitamin C ✓
- (d) Vitamin D

**5-** A cubic millimeter of blood contains \_\_\_\_\_ RBCs in males.

- (a) 5 - 5.5 million ✓
- (b) 4 - 4.5 million
- (c) 6 - 6.5 million
- (d) 7 - 7.5 million

**6-** It is the study of insects:

- (a) Entomology ✓
- (b) Immunology
- (c) Pharmacology
- (d) Socio-biology

- 7- During which phase of mitosis spindles are formed?
- (a) Telophase      (b) Prophase ✓  
(c) Metaphase      (d) Anaphase
- 8- In which biological method "if and then" logic is used?
- (a) Hypothesis      (b) Observations  
(c) Deductions ✓      (d) Experimentation
- 9- In cellular respiration, food is oxidized to:
- (a) O<sub>2</sub>      (b) CO<sub>2</sub> ✓  
(c) H<sub>2</sub>      (d) Water
- 10- Crossing over was observed in the year \_\_\_\_\_.  
(a) 1911 ✓      (b) 1937  
(c) 1943      (d) 1951
- 11- Scientific name of house crow is:  
(a) Allium cepa      (b) Corvus splendens ✓  
(c) Asterias rubens      (d) Brassica campestris
- 12- In human, oesophagus is about \_\_\_\_ long.  
(a) 10 cm      (b) 15 cm  
(c) 20 cm      (d) 25 cm ✓